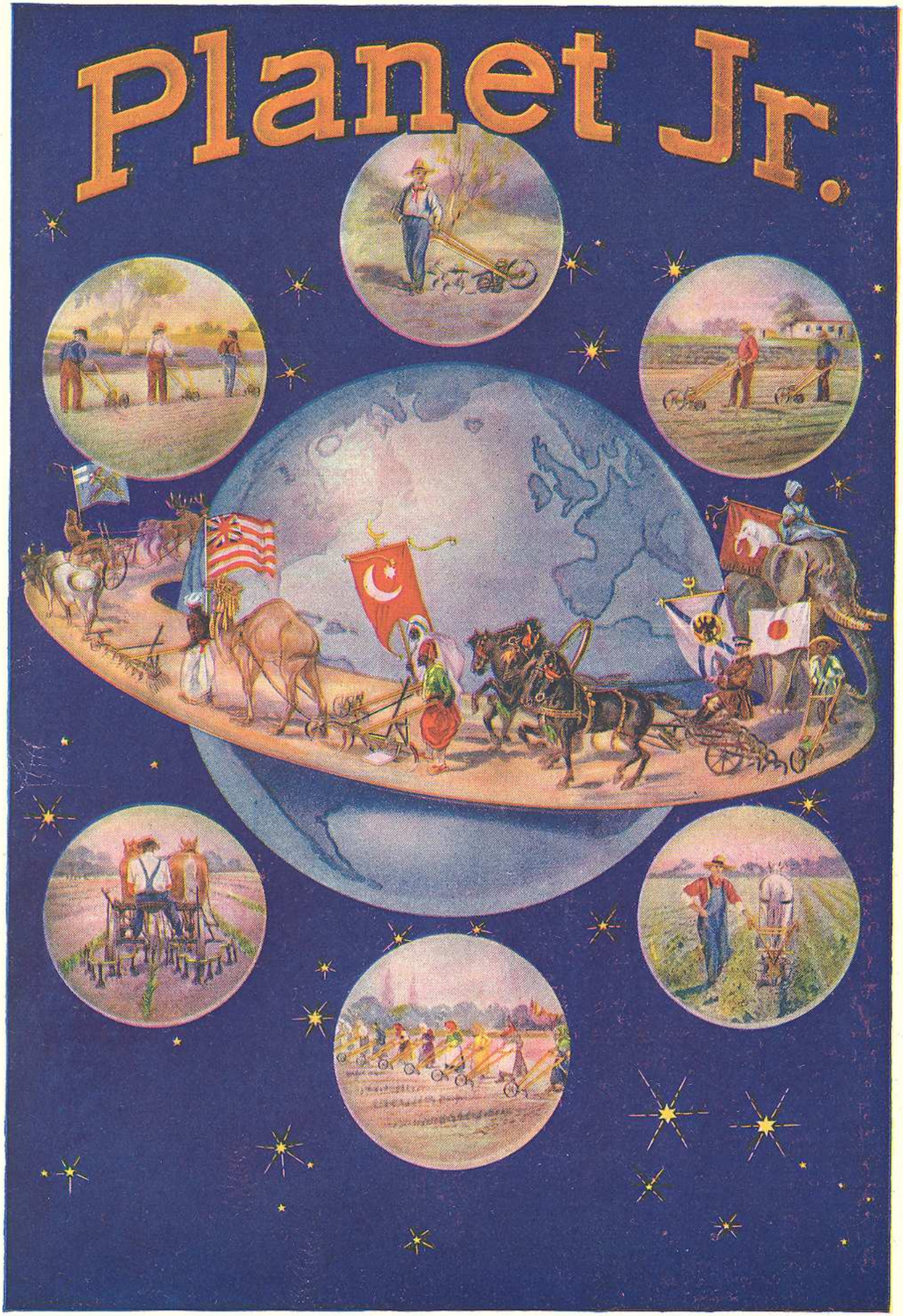
Planet Jr.

PLANET JR. FARM AND GARDEN TOOLS.

Space will not permit illustrating and describing all of the Planet Jr. tools, but we will gladly send fully illustrated catalogue free for the asking to any address. Remember, Planet Jr. machines are the recognized standards throughout the world, and are guaranteed by the manufacturers.

The Planet Jr. No. 6 Combined Hill and Drill Seeder and Wheel Hoe.

This seeder is the latest and most perfect development of the hand seed drill. It sows in a continuous row in the ordinary way with unequalled regularity, but its distinctive feature is that it will drop neatly in hills either 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers, rolls down, and marks the next row, all at one operation. The cut-off stops or starts the flow of seed instantly, so there is no time lost nor seed wasted. It is quickly set to sow different kinds of seeds any thickness desired and is changed in a moment from hill dropping to drill work. It covers and rolls down light or heavy, and sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seeds. The plow is adjustable and opens a very narrow furrow, which is a great advantage for after-cultivation.

The accurate hill-dropping drill, which gives a regular stand of plants with the least seed, saves its cost over and over again in seed and also in producing a more regular stand and larger crop. We guarantee our seeders to be more accurate than any other made, and to give satisfaction in every respect.

As a single wheel hoe, it has a high wheel, fine equipment of tools and gives excellent service.

We make seven other sizes and styles of seeders, separate and combined, for drills or hills or for both.

Planet Jr. No. 11 Double Wheel Hoe, Cultivator, Rake and Plow.

This wheel hoe is invaluable for use in small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at different distances apart; malleable frame with ample room for tool adjustment and can be set at different heights. The arch is of stiff steel, unusually high; the quick-change frame permits the tools to be changed without removing the nuts. Seven pairs of tools go with the complete wheel hoe.

Planet Jr. No. 12 Double Wheel Hoe, Cultivator and Plow.

This tool is identical with No. 11 Wheel Hoe except that it has fewer attachments and is sold at a correspondingly less price. The tools sold with No. 12 are what gardeners use most, and the others can be added as wanted.

Planet Jr. No. 13 Double Wheel Hoe.

This tool is the No. 11, with 6-inch hoes only, these being the tools that are used by everybody. Any or all of the other tools shown with No. 11 may be added at any time.

Planet Jr. No. 16 Single Wheel Hoe, Cultivator, and Plow.

This latest and best single-wheel hoe has a very full set of tools, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong, and easy running. It has adjustable handles and quick-change frame. The tools are: a well-shaped plow; a pair of 6-inch shield hoes, 3 cultivator teeth and a practical leaf-guard; the frame changes in height, and the wheel may be attached to the side of the frame, when both sides of the row may be hoed at one passage.

Planet Jr. No. 17 Single Wheel Hoe, Cultivator and Plow.

This tool is identical with No. 16, but has only a pair of 6-inch hoes, a plow, and a set of cultivator teeth—an outfit sufficient for most garden work.

Planet Jr. No. 18 Single Wheel Hoe.

This tool has the same frame and handles as No. 16 but has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. All the other tools can be added as needed.

The "Fire-Fly" Garden Plow.

This Tool is Most Useful to owners of small gardens. *It will throw* a furrow 4 to 6 inches wide and 1 to 3 inches deep. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden.

Chicken Raisers find it of great advantage in plowing up their scratching yards.

The Planet Jr. No. 8 Horse-Hoe and Cultivator.

Probably no other cultivating machine is so widely known as the Planet Jr., for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain; yet it is light and easy to handle.

We offer important improvements in our No. 8 Horse-Hoe and Cultivator, as described below.

The Frame is longer than usual, and about one and a half inches higher, and will not clog easily.

The Standards are formed up hollow, with round throats of stiff steel; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

The Depth is under perfect control by means of a new lever wheel and the new patented depth regulator, which are moved instantly in unison by a single lever, making exact work, steadying the machine, and relieving the operator.

The Expander. This is an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate, and positive in all positions.

Handle Braces. These are also new and the most effective and stiffest combination known, at once making the tool rigid and yet allowing every adjustment of handles, in height and sidewise.

Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest.

The Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer.

This tool has rapidly grown into favor with farmers, market gardeners, and strawberry growers. It has a high frame, and the chisel shape teeth *cut an inch wide each.*

The foot-lever pulverizer is a capital addition for preparing ground for the seed drill or for plant-setting. The harrow contracts to 12 inches, and expands to 32 inches. It cultivates deep without throwing earth upon the plants and the smooth, round-throated teeth turn strawberry runners without injuring them. It has a Strawberry Runner Cutter Attachment, consisting of a 10-inch flat steel disc, mounted on an outrigger, extra.

The Planet Jr. Sugar Beet Horse-Hoe.

With the great interest now being taken in the production of beet sugar, the proper sowing, growth, and cultivation of this crop have claimed our careful attention and we can offer four-row riding and walking cultivators of the very highest efficiency and the greatest economy in use. Our two-row tools are also perfection at work.

Our Four-Row Sugar-Beet Horse-Hoes have pivoted wheels which act instantaneously, steering with the greatest ease and accuracy. The hoes are of special shape; the blades being formed into a protection shield, which prevents the earth from covering small plants, while the curved shape allows the closest hoeing, and the front of the hoe acts as a leaf guard. The tool bar consists of a truss of three stiff steel bars, the middle one stationary, with a convenient lever to move the top bar to the right and the bottom bar to the left at the same moment, and vice versa. The sweeps are adjusted to the centre bar, and thus remain stationary. The left hand hoes are attached to the bottom bar and the right hand to the top, so that they can all be moved simultaneously closer to or farther from the row instantly, at will, by the lever. The lift is very easy, as the frame is held in balance by a tension spring. The teeth are held down to their work by compression springs.

Our New No. 53 Two-Row Beet Hoe is well built strong and satisfactory; it was planned and built only after exhaustive study of sugar beet growing both in Europe and America.

The Hoes and Sweeps are identical with those used so successfully on our four-row beet cultivators; they leave the ground level and thoroughly worked.

It works two rows at once from 16 to 28 inches apart.